

DP-308386

OVER MOLDED
MOTOR STATOR STRUCTURE

ABSTRACT OF THE DISCLOSURE

An over molded motor stator structure and an over molded motor prepared with the over molded stator structure includes a stator assembly including a bobbin assembly around which a coil is wound assembled to a stator core comprising a plurality of stator laminations having an internal diameter and an external diameter. The stator assembly is encapsulated by a unitizing material which forms an over molded motor stator structure including an integral unitized stator assembly and a molded main body. The stator assembly is encapsulated such that the internal diameter and the external diameter of the stator laminations is exposed-that is, not covered or encapsulated by the unitizing material.